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EXAMINER				
TSUL, WILSON W				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/711,926

**Applicant(s)**

BERLIN ET AL.

**Examiner**

WILSON TSUI

**Art Unit**

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 April 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 28-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 28-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This action is in response to the RCE filed on: 04/08/08.
2. Claims 1—27 are cancelled. Claims 28-47 are new.
3. The following rejections are withdrawn, due to new grounds of rejection, necessitated by applicant's amendment:
  - Claims 18-27 rejected under 35 U.S.C. 103(a) as being unpatentable over Davis et al, in view of Ferrel et al

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 28-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aggarwal et al (US Patent: 6,917,969, issued: Jul. 12, 2005, filed: Jan. 3, 2002), in view of Sheshadri ("Understanding JavaServer Pges Model 2 architecture", December 1999, Pages 1-14), and further in view of Carroll, JR (US Patent: 6,990,654 B2, issued: Jan. 24, 2006, filed: Sep. 14, 2001).

With regards to claim 28, Aggarwal et al teaches:

*Receiving a request for a web page* (column 4, lines 32-41: whereas a request for web page content is received by a web server)

*A first file corresponding to the webpage (column 4, lines 41-45: whereas a servlet file is retrieved/implemented)*

*Obtaining an XML tag from the first file, wherein the XML tag includes data to be formatted according to an interface element (whereas an XML tag is obtained from using the first file via a request to a second file (XML/markup file))*

*Using the XML tag to obtain a formatting instruction corresponding to the interface element from a second file (column 4, lines 41-67, and column 5, lines 1-5: the XML tag data from a second file is used to obtain formatting /rendering instructions via mapping, such that an appropriate bean class file is retrieved)*

*Formatting the data according to the formatting instruction (column 4, lines 41-67: whereas the data is formatting according to the formatting instruction (bean selection and execution))*

*Generating a third file including the formatted data and the interface element;  
Transmitting the third file using a communications network (column 5, lines 45-50: whereas a third file such as HTML is generated and transmitted along with rendered interface data/content elements)*

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Although Aggarwal et al teaches a first file (servlet file) and an interface element, Aggarwal et al does not expressly mention that the first servlet file is *received*, and that an interface element can be *input* interface element.

Yet, Sheshadri teaches the first file (servlet file), *is received* (page 8: whereas, the request from a client includes the name of the servlet file to be retrieved as indicated by the EShop.jsp string)

It would have been obvious to one of the ordinary skill in the art at the time of the invention to have modified Aggarwal et al's request processing method, such that a first file is specified to be received from a request, as similarly taught by Sheshadri. The combination would have allowed Aggarwal et al to have "processed actions ... by the controller servlet" (Sheshadri, page 7).

However, although the combination of Aggarwal et al and Sheshadri teach a centralized element rendering facility, as similarly explained above, the combination do not expressly teach that the elements can be *input* interface elements.

Yet, Carroll, Jr teaches the elements can be *input* interface elements (column 19, lines 1-67: whereas, input interface elements such as within a menubar, or buttons (column 17, lines 45-50)

It would have been obvious to one of the ordinary skill in the art at the time of the invention to have modified the combination of Aggarwal et al and Sheshadri's centralized element rendering facility, such that the elements can be input interface elements, as similarly taught by Carroll, JR. The combination would have allowed Aggarwal et al to have implemented "less need for coding" and also to have formalized a "good user interface design" (Carroll, JR, column 2, lines 52-67).

With regards to claim 29, which depends on claim 28, Aggarwal et al teaches *wherein the formatting instruction is obtained from a centralized server storing the second file* (column 4, lines 30-40: whereas a server computer on a network location stores the requested content (requested content located in second file on a network location)).

With regards to claim 30, which depends on claim 28, Aggarwal et al teaches *wherein the formatting instruction includes a class file name*, as similarly explained in the rejection for claim 28, and is rejected under similar rationale.

With regards to claim 31, which depends on claim 28, Aggarwal et al teaches *further comprising compiling the first file into a servlet*, as similarly explained in the rejection for claim 28 (since the first file is a servlet), and is rejected under similar rationale.

With regards to claim 32, which depends on claim 28, Aggarwal et al teaches *determining if the first file includes the request for data; generating a database query, if*

*the first file includes the request for data; and extracting the requested data from a database, if the first file includes the request for data*, as similarly explained in the rejection for claim 28 (since the servlet file retrieves data content, by generating a query for the appropriate content file/second-file from a database), and is rejected under similar rationale.

With regards to claim 33, which depends on claim 28, Aggarwal et al teaches *the first file*, as similarly explained in the rejection for claim 28, and is rejected under similar rationale. However, Aggarwal et al does not expressly teach *determining if the first file includes a request to store data; and storing the data in a database, if the first file includes the request to store data*.

Yet, Sheshadri teaches *determining if the first file includes a request to store data; and storing the data in a database, if the first file includes the request to store data* (page 8: whereas a request to add CD data is determined, and appropriately stored).

It would have been obvious to one of the ordinary skill in the art at the time of the invention to have modified Aggarwal et al's central field rendering system, such that the first file would have included logic to determine a request for storing data, as similarly taught by Sheshadri. The combination of Aggarwal et al, Sheshadri, and Carroll, JR would have allowed Aggarwal et al to have "processed the request parameters for the item to be added" (Sheshadri, page 9).

With regards to claim 34, which depends on claim 28, the combination of Aggarwal et al and Sheshadri teaches wherein the *input interface element is one of*: a button, as similarly explained in the rejection for claim 28, and is rejected under similar rationale.

With regards to claim 35, which depends on claim 28, the combination of Aggarwal et al and Sheshadri teaches *wherein the first file is a Java Server Page file*, as similarly explained in the rejection for claim 28, and is rejected under similar rationale.

With regards to claim 36, which depends on claim 28, Aggarwal et al teaches *wherein the second file is formatted according to a Document Type Definition (DTD) format or an XML Style Sheet format* (column 5, lines 49-54).

With regards to claim 37, which depends on claim 28, Aggarwal et al teaches *wherein the third file is formatted according to a Hypertext Transfer Protocol (HTTP) format*: (column 4, lines 35-40: whereas HTTP format is used as a file transfer mode of choice/option)

With regards to claim 38, for a computer system performing a method similar to the method performed by the method of claim 28, is rejected under similar rationale.

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With regards to claim 39, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 29, is rejected under similar rationale.

With regards to claim 40, which depends on claim 38, for a system performing a method similar to the method performed by the method of claim 30, is rejected under similar rationale.

With regards to claim 41, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 31, is rejected under similar rationale.

With regards to claim 42, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 32, is rejected under similar rationale.

With regards to claim 43, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 33, is rejected under similar rationale.

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With regards to claim 44, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 34, is rejected under similar rationale.

With regards to claim 45, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 35, is rejected under similar rationale.

With regards to claim 46, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 36, is rejected under similar rationale.

With regards to claim 47, which depends on claim 38, for a computer system performing a method similar to the method performed by the method of claim 37, is rejected under similar rationale.

### ***Response to Arguments***

5. Applicant's arguments with respect to claims 28-47 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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- Suppan et al (US 2003/0007014): This reference teaches using XML as a interface data specification.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILSON TSUI whose telephone number is (571)272-7596. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CESAR B PAULA/  
Primary Examiner, Art Unit 2178

/Wilson Tsui/  
Patent Examiner  
Art Unit: 2178  
May 20, 2008

